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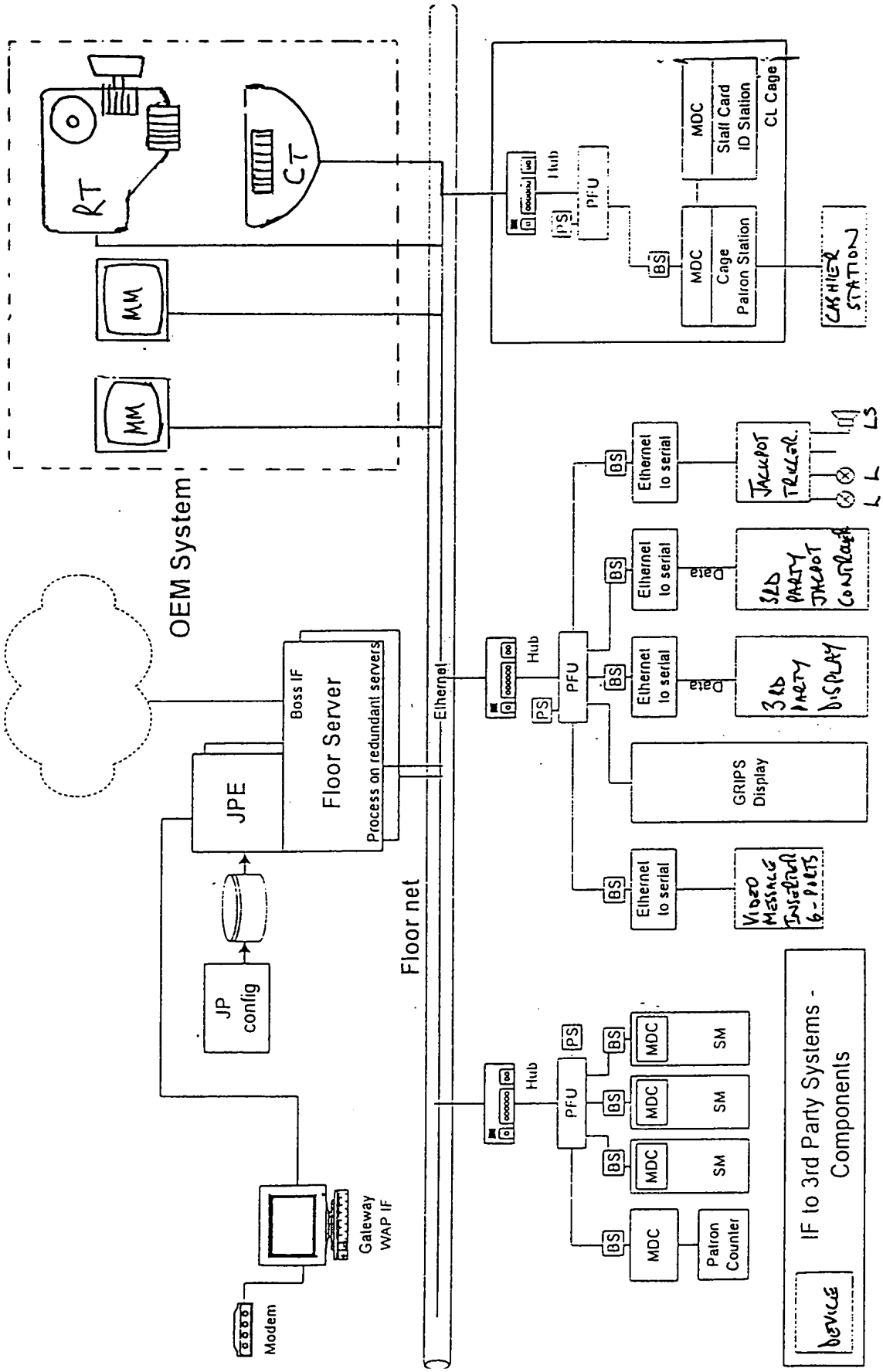
OEM System
RT
CT
MM
MM
Floor net
Ethernet
Hub
PS
PFU
BS
MDC
Cage Patron Station
Staff Card ID Station
CL Cage
CASHIER STATION
Boss IF
Floor Server
Process on redundant servers
JPE
JP config
Gateway WAP IF
Modem
Ethernet to serial
Data
GRIPS Display
3rd PARTY DISPLAY
3rd PARTY JACKPOT CONTROLLER
JACKPOT TRUCK
VIDEO MESSAGE SIGNBOARD 6-POLES
LS
SM
Patron Counter
IF to 3rd Party Systems - Components
Device

FIG 1

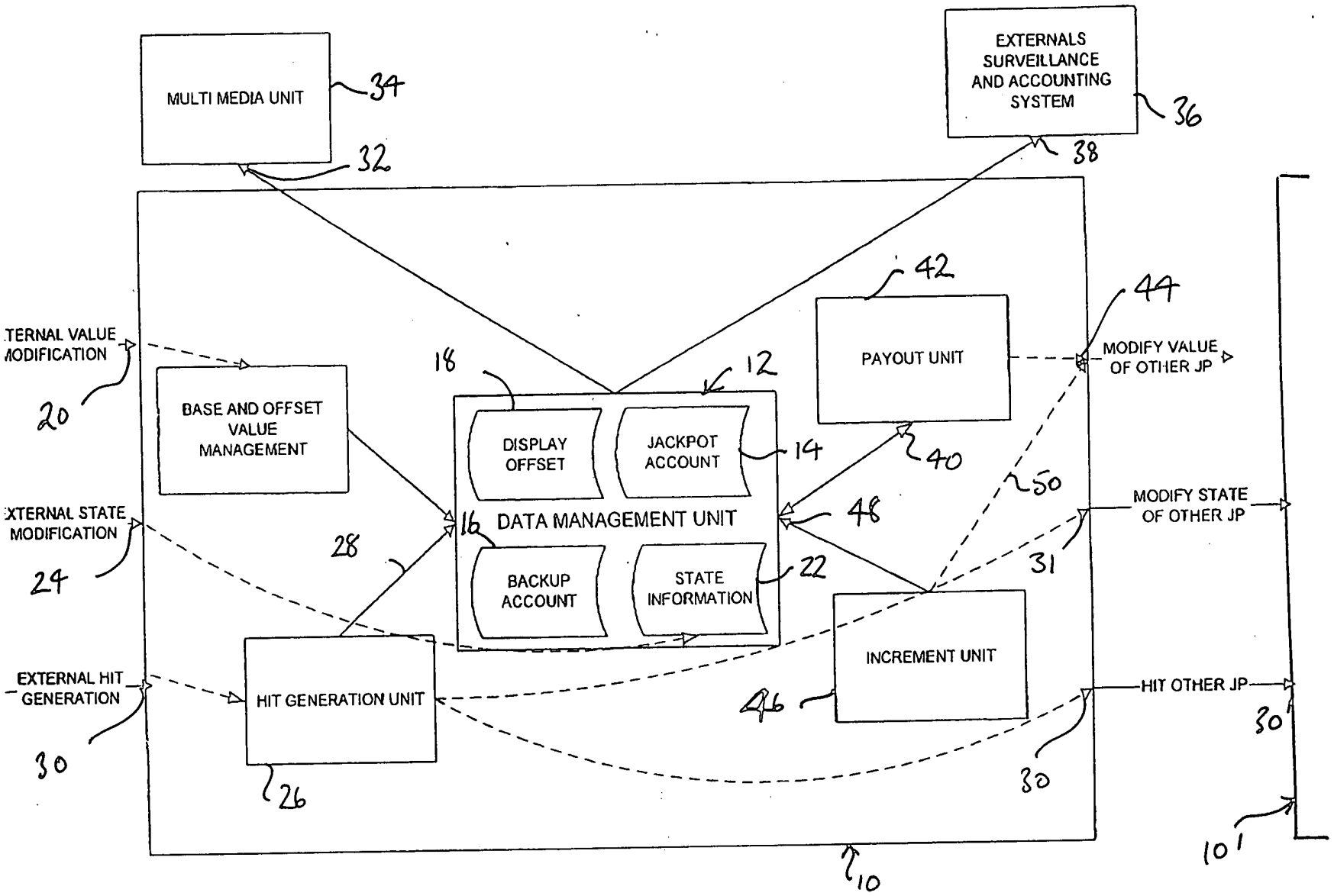

FIG 2

Atty. Docket No.: 089194-000100US
Applicant: Ewald Mothwurf, et al.
Title: Jackpot System

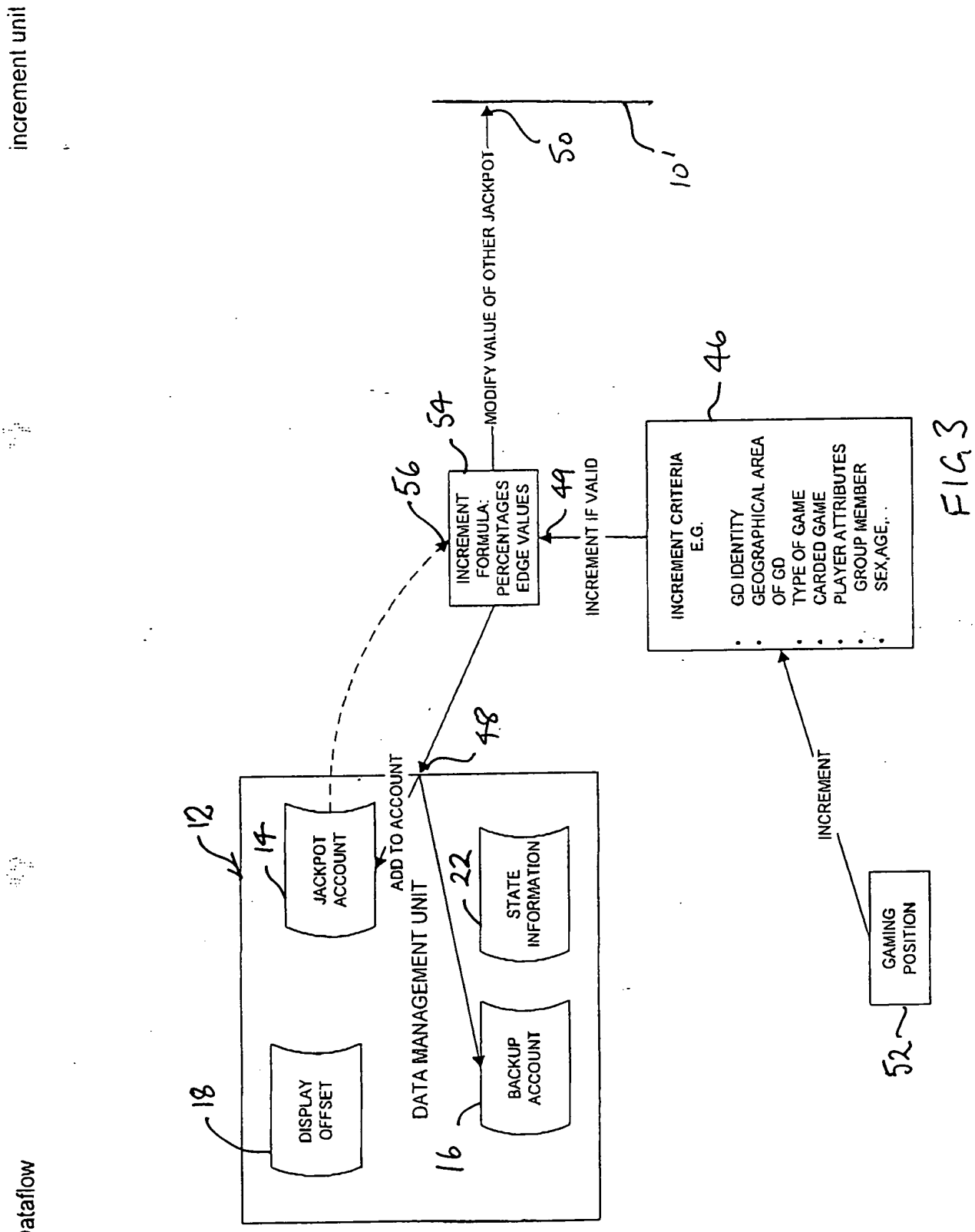
increment unit
Jackpot Dataflow
MODIFY VALUE OF OTHER JACKPOT
50
10'
INCREMENT FORMULA: PERCENTAGES EDGE VALUES
54
56
49
INCREMENT IF VALID
INCREMENT CRITERIA E.G.
GD IDENTITY
GEOGRAPHICAL AREA OF GD
TYPE OF GAME
CARDED GAME
PLAYER ATTRIBUTES
GROUP MEMBER
SEX,AGE,..
46
48
ADD TO ACCOUNT
12
14
JACKPOT ACCOUNT
22
STATE INFORMATION
DATA MANAGEMENT UNIT
18
DISPLAY OFFSET
16
BACKUP ACCOUNT
INCREMENT
GAMING POSITION
52

FIG 3

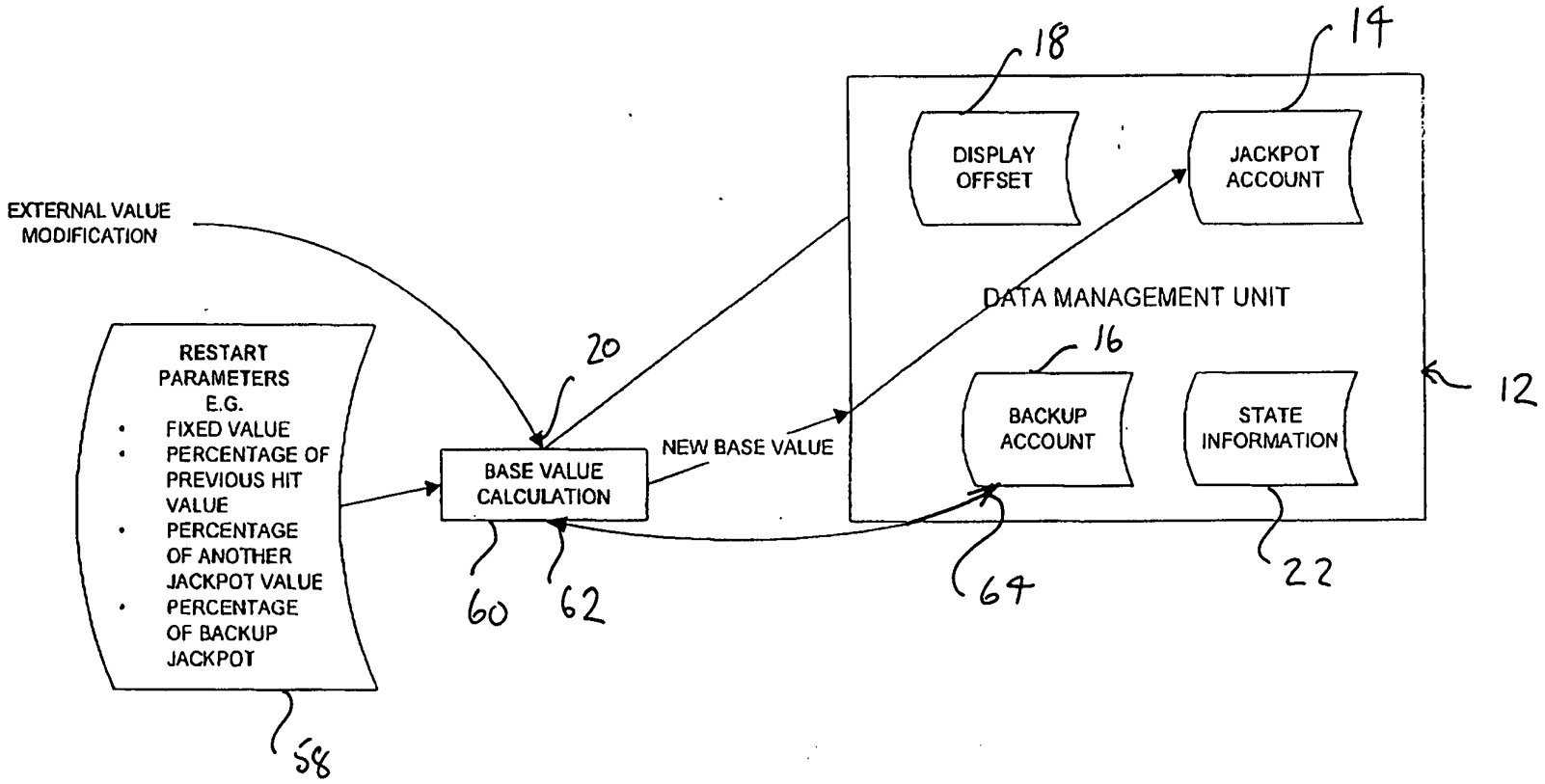

FIG. 4

Atty. Docket No.: 089194-000100US
Applicant: Ewald Mothwurf, et al.
Title: Jackpot System
Sheet 4 of 11

Jackpot Dataflow

hit generation unit

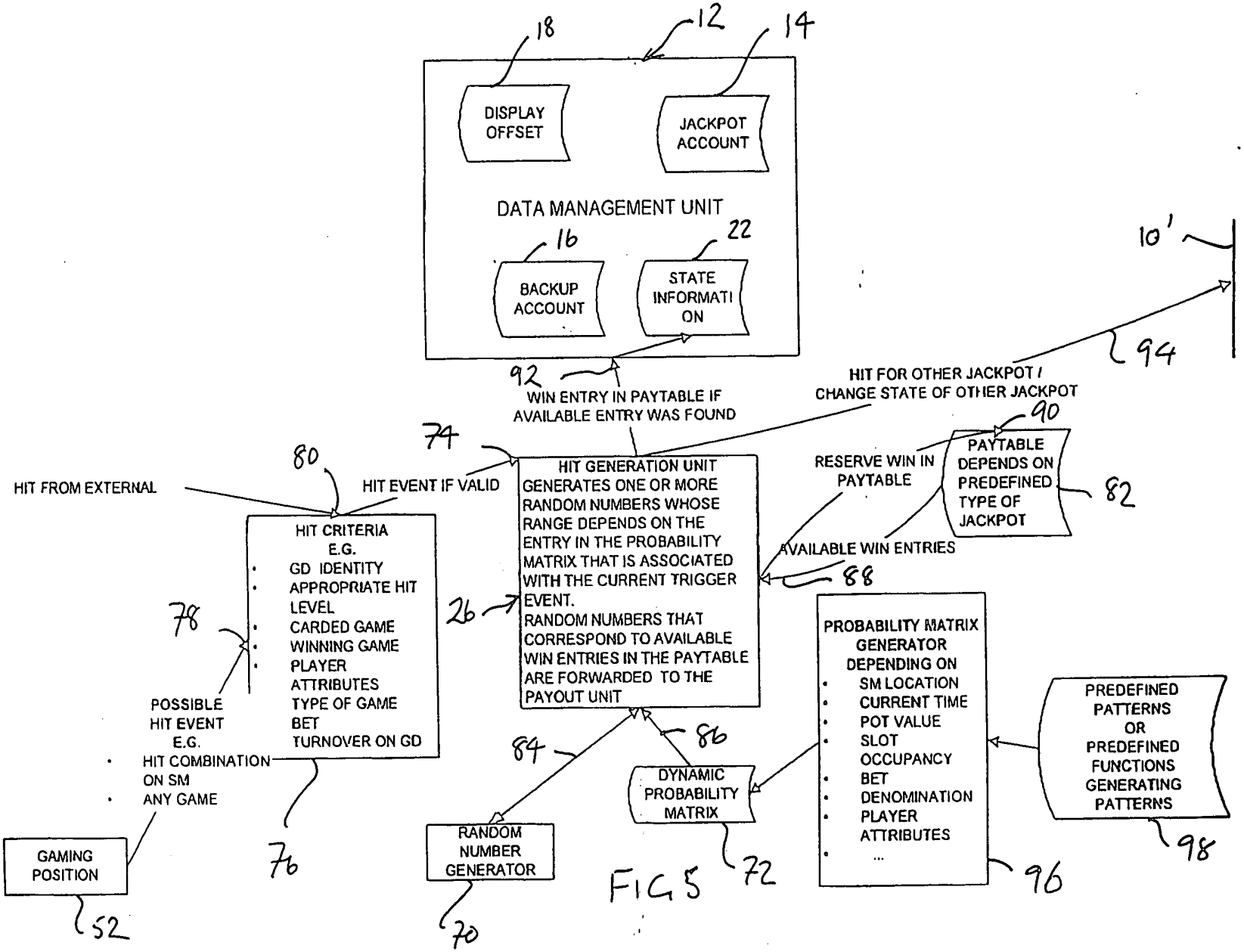

FIG 5

Atty. Docket No.: 089194-000100US
Applicant: Ewald Mothwurf, et al.
Title: Jackpot System

Sheet 5 of 11

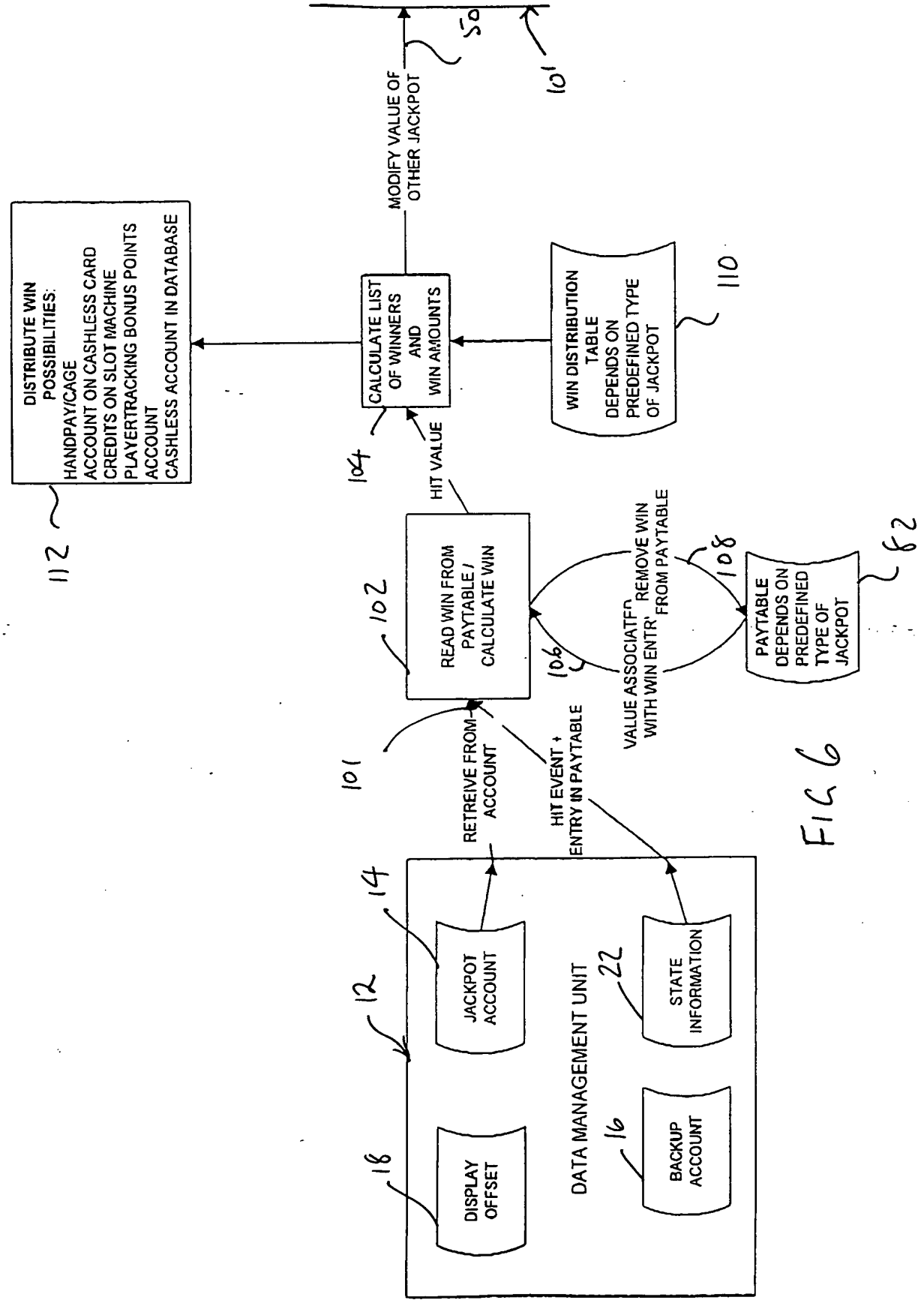
payout unit
Jackpot Dataflow
DISTRIBUTE WIN POSSIBILITIES:
HANDPAY/CAGE
ACCOUNT ON CASHLESS CARD
CREDITS ON SLOT MACHINE
PLAYERTRACKING BONUS POINTS ACCOUNT
CASHLESS ACCOUNT IN DATABASE
112
MODIFY VALUE OF OTHER JACKPOT
50
101
CALCULATE LIST OF WINNERS AND WIN AMOUNTS
104
HIT VALUE
WIN DISTRIBUTION TABLE DEPENDS ON PREDEFINED TYPE OF JACKPOT
110
READ WIN FROM PAYTABLE / CALCULATE WIN
102
VALUE ASSOCIATION
106
REMOVE WIN FROM PAYTABLE
108
PAYTABLE DEPENDS ON PREDEFINED TYPE OF JACKPOT
62
101
RETREIVE FROM ACCOUNT
HIT EVENT + ENTRY IN PAYTABLE
DATA MANAGEMENT UNIT
12
14
JACKPOT ACCOUNT
22
STATE INFORMATION
18
DISPLAY OFFSET
16
BACKUP ACCOUNT

FIG 6

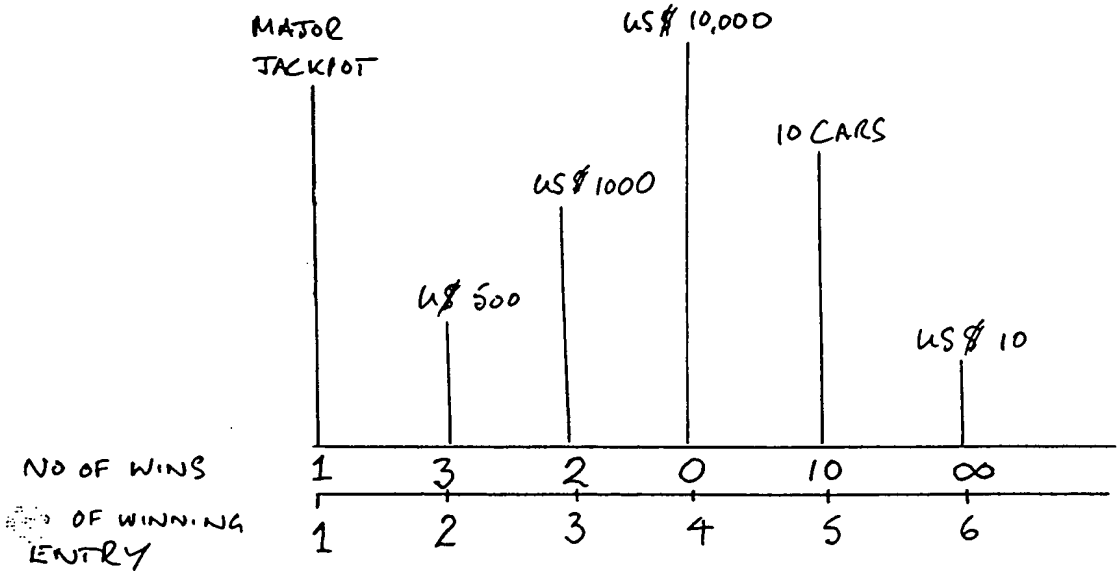
MAJOR JACKPOT
US$ 10,000
10 CARS
US$ 1000
US$ 500
US$ 10
NO OF WINS
1
3
2
0
10
∞
OF WINNING ENTRY
1
2
3
4
5
6

FIG 7

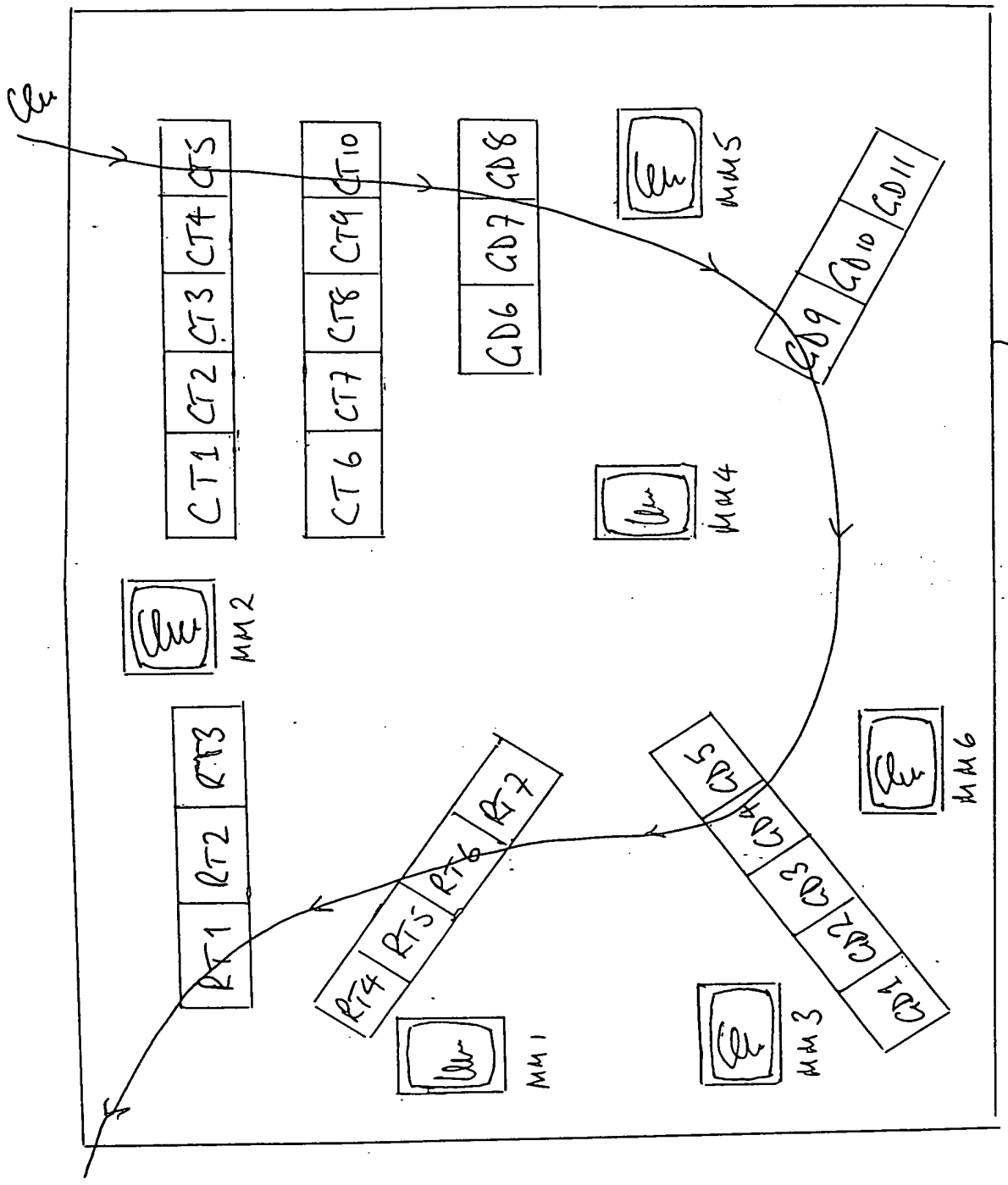
CASINO FLOOR AREA
CT1
CT2
CT3
CT4
CT5
CT6
CT7
CT8
CT9
CT10
CD6
CD7
CD8
CD9
CD10
CD11
RT1
RT2
RT3
RT4
RT5
RT6
RT7
CD1
CD2
CD3
CD4
CD5
MM1
MM2
MM3
MM4
MM5
MM6

FIG 8

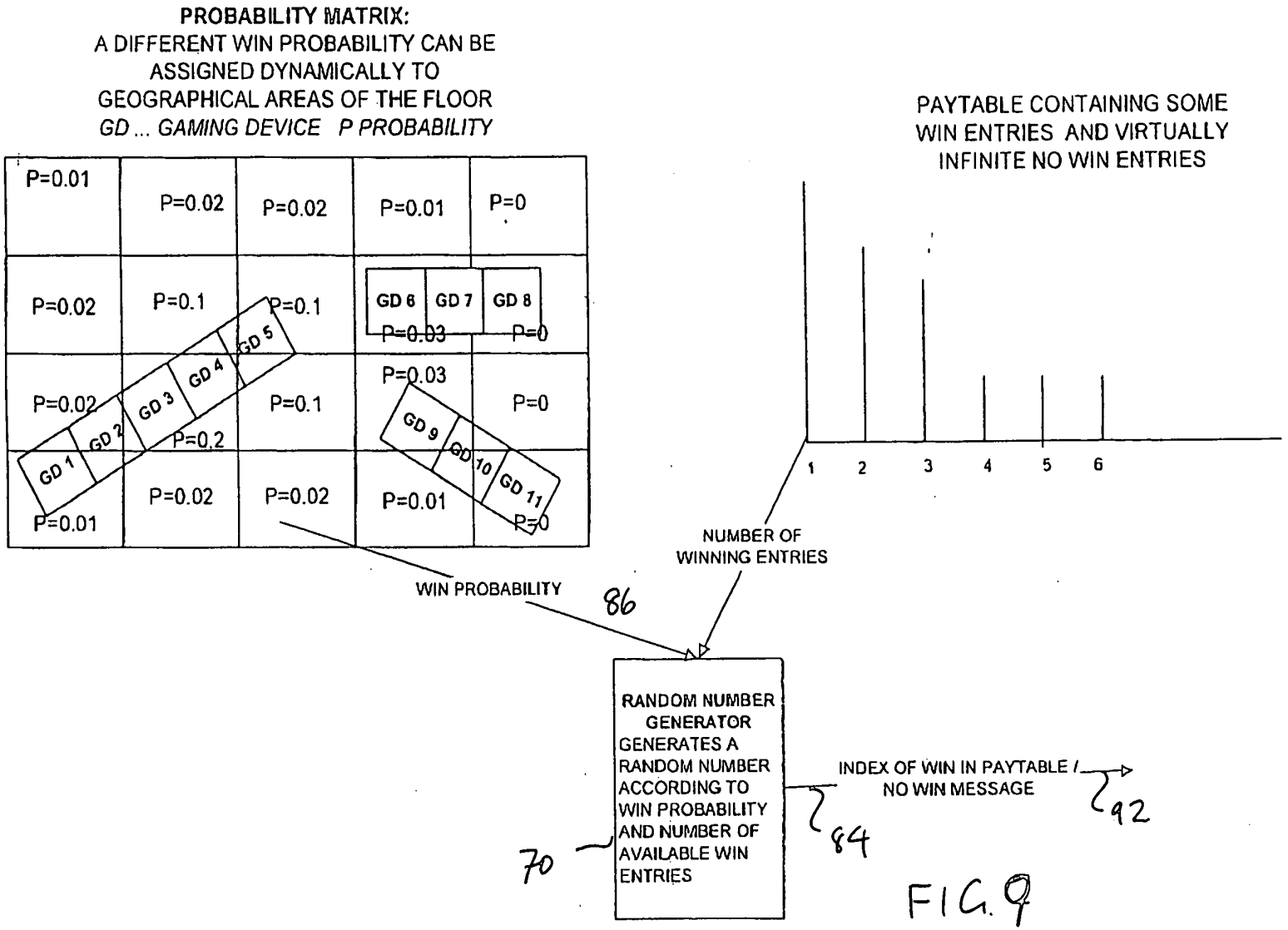
PROBABILITY MATRIX:
A DIFFERENT WIN PROBABILITY CAN BE ASSIGNED DYNAMICALLY TO GEOGRAPHICAL AREAS OF THE FLOOR
GD ... GAMING DEVICE P PROBABILITY
P=0.01
P=0.02
P=0.02
P=0.01
P=0
P=0.02
P=0.1
P=0.1
GD 6
GD 7
GD 8
P=0.03
P=0
GD 5
GD 4
GD 3
GD 2
GD 1
P=0.02
P=0.2
P=0.1
P=0.03
P=0
GD 9
GD 10
GD 11
P=0.01
P=0.02
P=0.02
P=0.01
P=0
WIN PROBABILITY
86
PAYTABLE CONTAINING SOME WIN ENTRIES AND VIRTUALLY INFINITE NO WIN ENTRIES
1
2
3
4
5
6
NUMBER OF WINNING ENTRIES
RANDOM NUMBER GENERATOR GENERATES A RANDOM NUMBER ACCORDING TO WIN PROBABILITY AND NUMBER OF AVAILABLE WIN ENTRIES
70
INDEX OF WIN IN PAYTABLE / NO WIN MESSAGE
84
92

FIG. 9

Jackpot Dataflow

Hit Generation using a counter

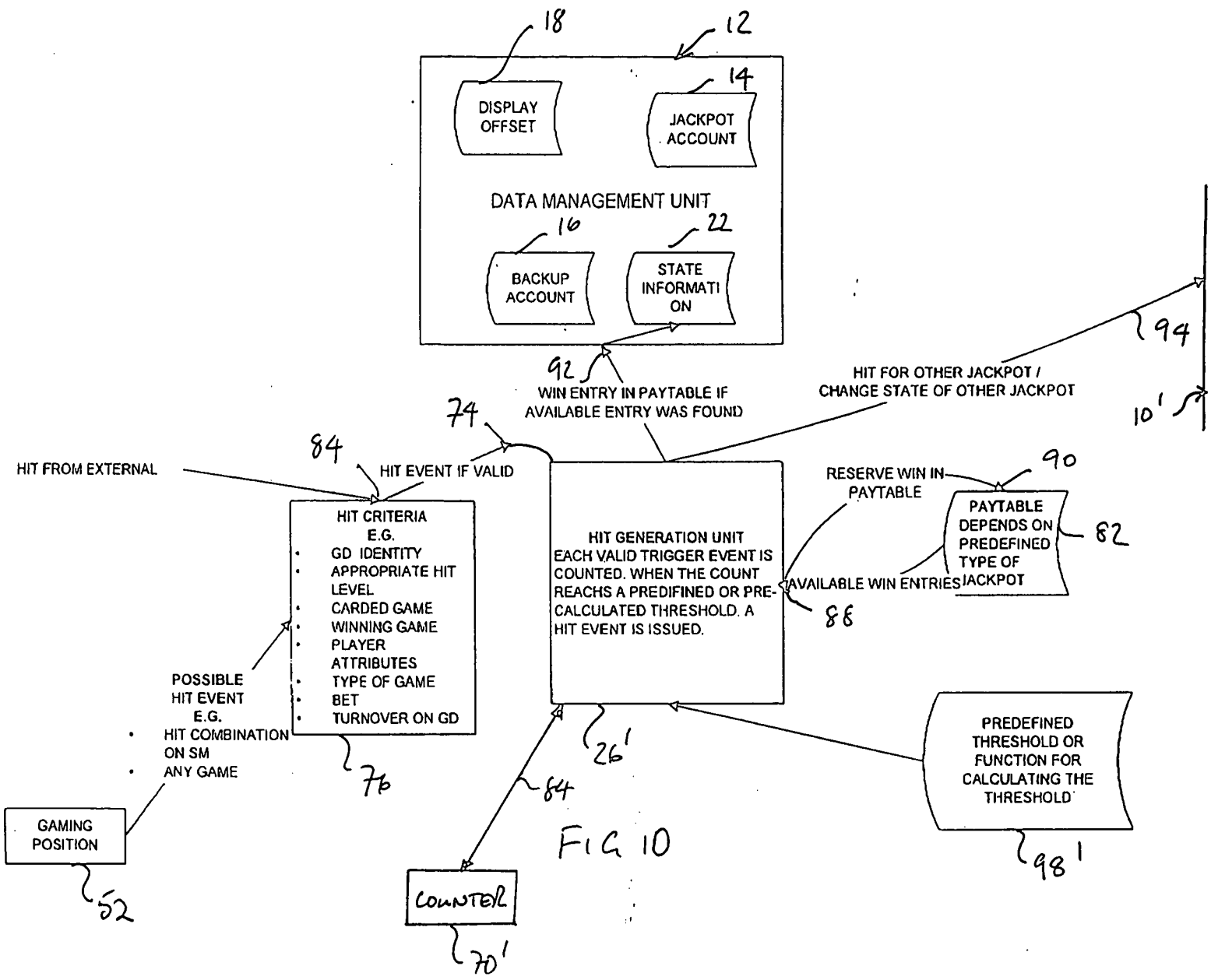

FIG 10

Atty. Docket No.: 089194-000100US
Applicant: Ewald Mothwurf, et al.
Title: Jackpot System

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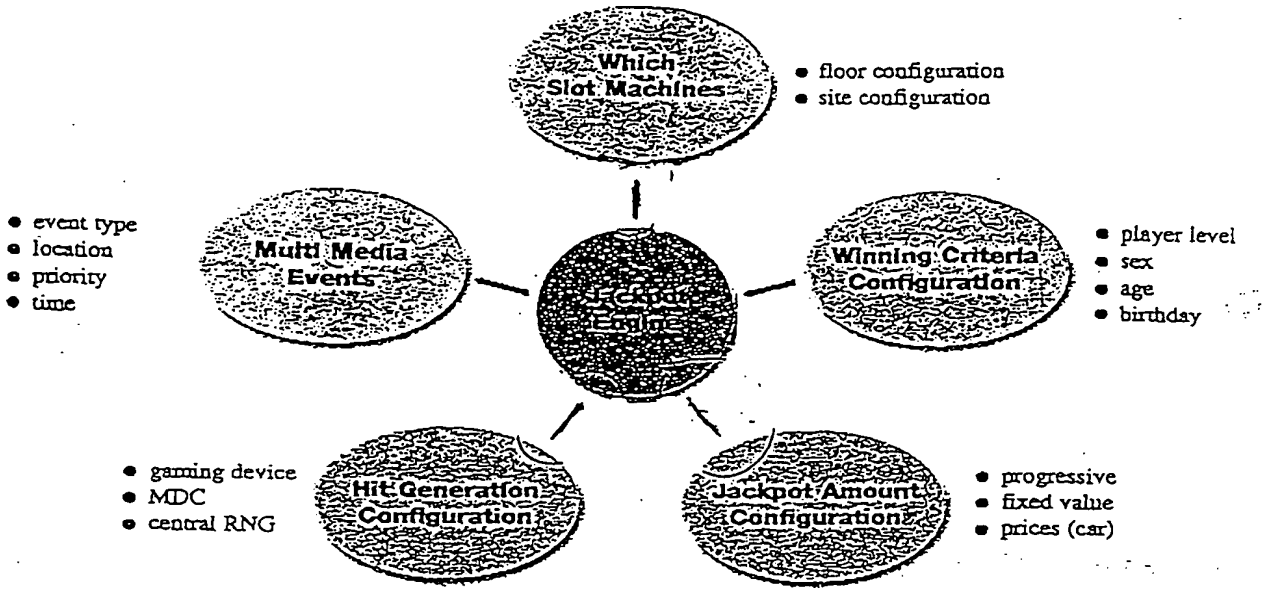
Jackpots & Advanced Bonusing Systems

Jackpot Engine operates without the need for a dedicated hardware controller. The Ethernet direct connection to all slot machines is the perfect base for integrated jackpots. Standard local & wide area progressives and local & wide area random hit jackpots can be easily configured. New types of Jackpot and Bonusing events can be designed using alternative configurations.



Integrated System

- Jackpot and Bonusing systems combined
- Accounting and Player Tracking hardware replaces separate controllers
- No JP controller hardware necessary

Jackpots Easily Configured

- All standard JP types can be configured:
  - local area progressives
  - random hit jackpots
  - wide area progressives

New Configurations Possible

- Integrated approach allows large variety of configurations
- Configure advanced jackpots for promotional purposes
- Activate player attributes
- Introduce new JP concepts:
  - e.g. Golden Ladies (winning criteria Gold Card Member + and female)

FIG. 11